

Type 2 SAP Component: Transition Table

Note: (i) denotes the i-th connection component.

Transition	Input / Event	Output / Action
Multi-destination I PDU operation:		
TYPE2SAP-1	DL_Unitdata_Req (with multi-destinations) from station component	Send each relevant connection component a MULTI_DATA_REQUEST; Record the request in Type2SAP;
TYPE2SAP-2	MULTI_READY(i) or MULTI_NOT_READY(i) response from connection component	if MULTI_READY record the PDU control field and timer information contained in the MULTI_READY response; else /* MULTI_NOT_READY */ delete the address from the set of recorded destinations;
TYPE2SAP-3	are_all_multi_responses_received =TRUE	Construct a Type2SAP_message which contain the multi-destination PDU and send to station component;
TYPE2SAP-4	connection_component_message(i) and is_waiting_multi-response(i) =TRUE	Construct a Type2SAP_message and send to station component;
Pass-through services:		
TYPE2SAP-11	connection_component_message(i)	Construct a Type2SAP_message and send to station component;
TYPE2SAP-12	DL_Unitdata_Req (with single-destination) from station component	Forward the request to the connection component that handles this destination;
TYPE2SAP-13	station_component_message	Forward to the appropriate connection component.
SAP component-initiated operations:		
TYPE2SAP-21	should_init_connect(i)=TRUE	Send CONNECT_REQUEST to connection component (i);
TYPE2SAP-22	should_init_disconnect(i)=TRUE	Send DISCONNECT_REQUEST to connection component (i); Send DL-Status-Ind to station component: connection disconnected;
TYPE2SAP-23	should_init_reset(i)=TRUE	Send RESET_REQUEST to connection component (i);
Processing of connection component indications:		
TYPE2SAP-31	DATA-INDICATION(i)	Send DL-Unitdata-Ind to station component;

TYPE2SAP-32	CONNECT_INDICATION(i)	If is_connect_acceptable(i)=TRUE Send CONNECT_RESPONSE to connection component (i); Send DL-Status-Ind to station component: connection established; else Send DISCONNECT_REQUEST to connection component (i); Send DL-Status-Ind to station component: connection disconnected; Record status information;
TYPE2SAP-33	DISCONNECT_INDICATION(i)	Record this status information; Send DL-Status-Ind to station component: connection disconnected;
TYPE2SAP-34	RESET_INDICATION(REMOTE)(i)	If is_reset_acceptable(i)=TRUE Send RESET_RESPONSE to connection component (i); Send DL-Status-Ind to station component: connection reset; else Send DISCONNECT_REQUEST to connection component (i); Send DL-Status-Ind to station component: connection disconnected; Record status information;
TYPE2SAP-35	RESET_INDICATION(LOCAL)(i)	If is_reset_acceptable(i)=TRUE Send RESET_REQUEST to connection component (i); else Send DISCONNECT_REQUEST to connection component (i); Send DL-Status-Ind to station component: connection disconnected; Record status Information;
TYPE2SAP-36	CONNECT_CONFIRM(i)	Record this status information; Send DL-Status-Ind to station component: connection established;
TYPE2SAP-37	RESET_CONFIRM(i)	Record this status information;
TYPE2SAP-38	REPORT_STATUS(i)	Record this status information;
TYPE2SAP-39	ACK_FAILURE_INDICATION(i)	Send DL_Status_Ind to station component: Ack failure;